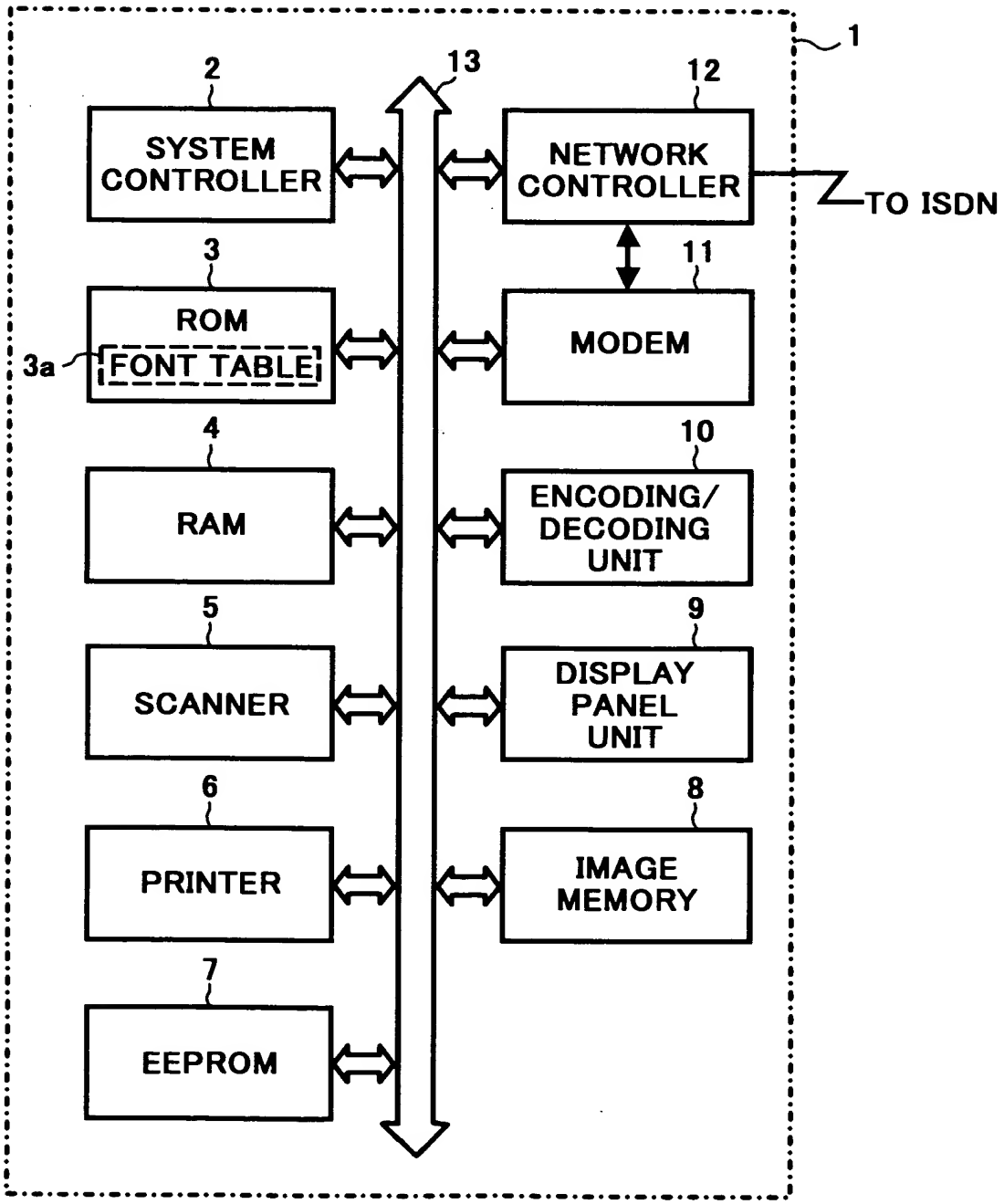
FIG. 1


1
2
SYSTEM CONTROLLER
13
12
NETWORK CONTROLLER
TO ISDN
3
ROM
3a
FONT TABLE
11
MODEM
4
RAM
10
ENCODING/ DECODING UNIT
5
SCANNER
9
DISPLAY PANEL UNIT
6
PRINTER
8
IMAGE MEMORY
7
EEPROM

08827 C3275260

FIG. 2

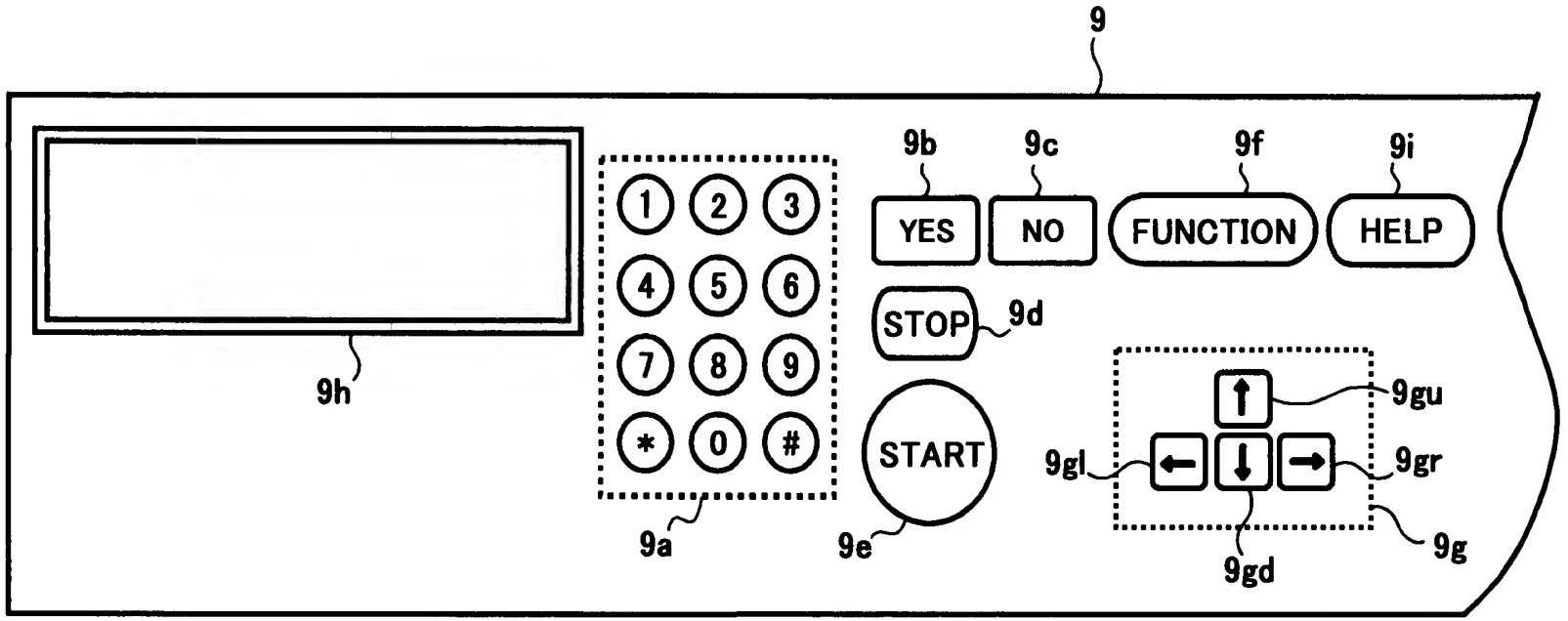


FIG. 3

7a

SPECIFIC SERVICE REGISTRATION TABLE			
SERVICES	AVAILABILITY	PERTINENT INFORMATION	DUMMY DISCONNECTION-CAUSE CODE
SERVICE 1	AVAILABLE	INFORMATION 1	Oxf3
SERVICE 2	NOT AVAILABLE	INFORMATION 2	Oxf4
SERVICE 3	NOT AVAILABLE	INFORMATION 3	Oxf5
⋮	⋮	⋮	⋮

FIG. 4

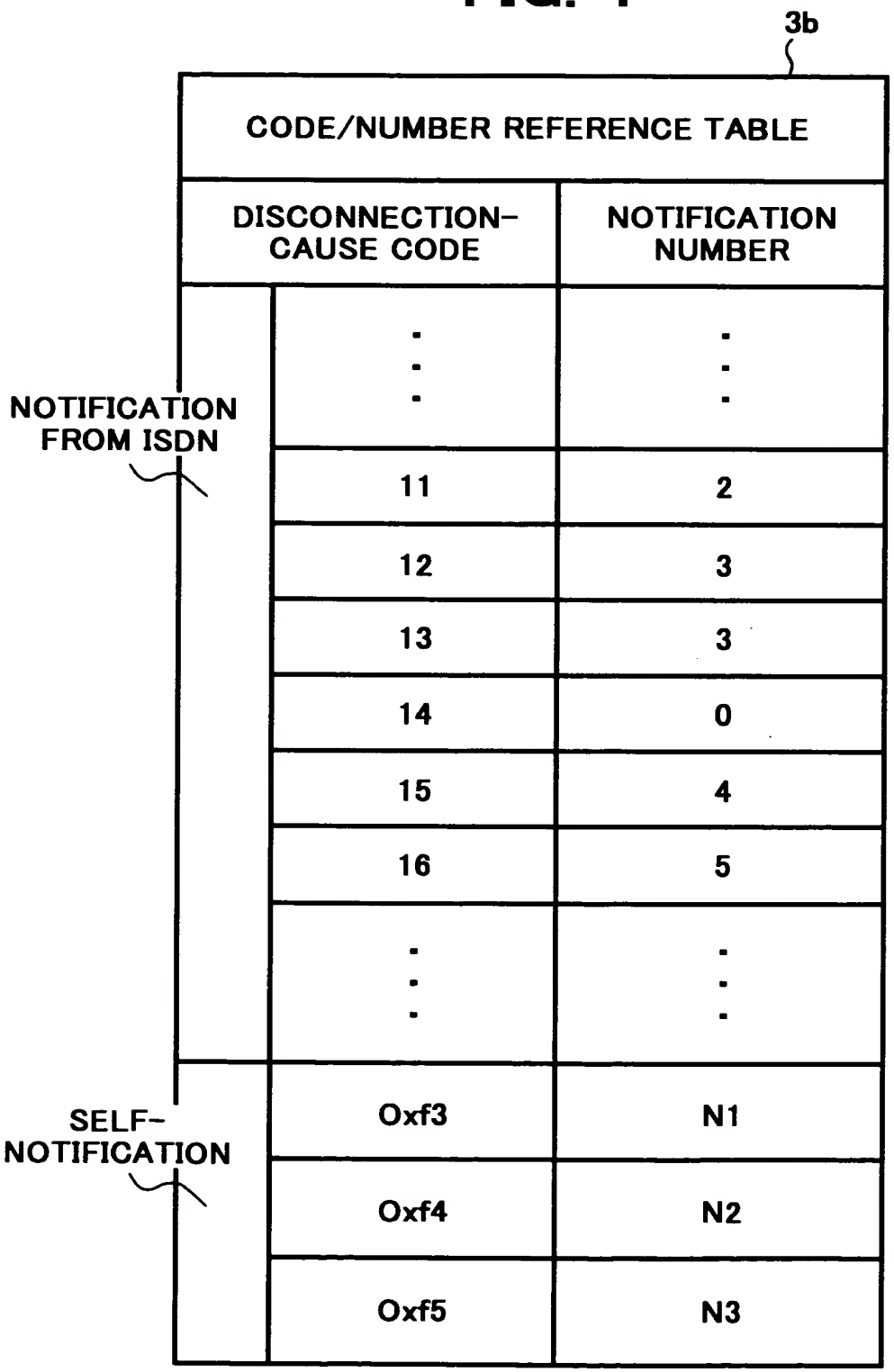

3b
CODE/NUMBER REFERENCE TABLE
DISCONNECTION-CAUSE CODE
NOTIFICATION NUMBER
NOTIFICATION FROM ISDN
11
2
12
3
13
3
14
0
15
4
16
5
SELF-NOTIFICATION
Oxf3
N1
Oxf4
N2
Oxf5
N3

FIG. 5

3c

NUMBER/CONTENTS REFERENCE TABLE	
NOTIFICATION NUMBER	CONTENTS OF NOTIFICATION
1	A CALLED NUMBER IS INCORRECT
2	A CALLED TERMINAL IS BUSY
⋮	⋮
n	
N1	AAA SERVICE IS NOT AVAILABLE
N2	BBB SERVICE IS NOT AVAILABLE
⋮	⋮

FIG. 6

3d

NUMBER/GUIDANCE REFERENCE TABLE	
NOTIFICATION NUMBER	CONTENTS OF GUIDANCE
N1	PLEASE CHECK IF XXX IS PROPERLY REGISTERED
N2	PLEASE CHECK IF YYY IS PROPERLY REGISTERED

FIG. 7A

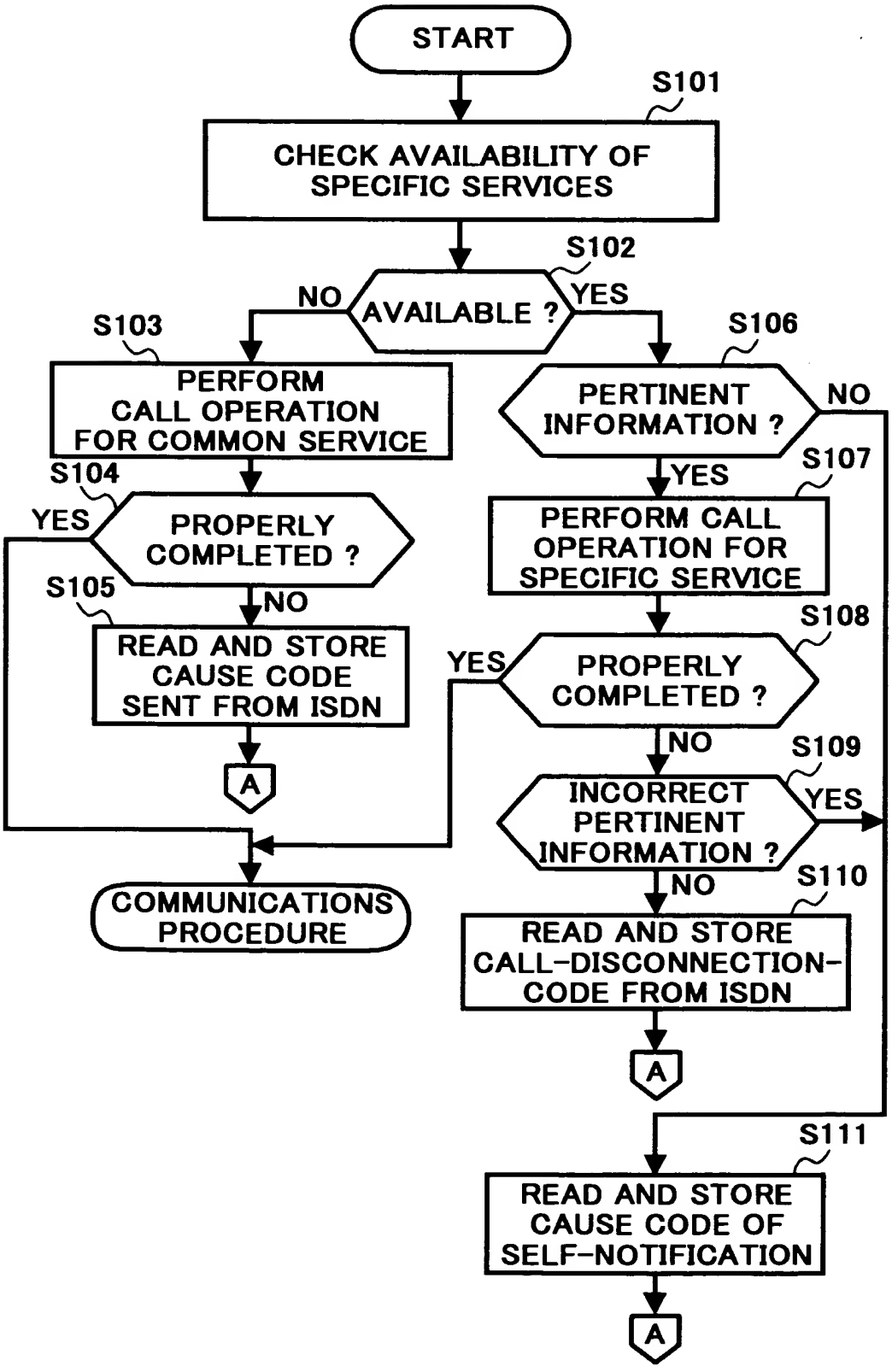

START
S101
CHECK AVAILABILITY OF SPECIFIC SERVICES
S102
AVAILABLE ?
NO
YES
S103
PERFORM CALL OPERATION FOR COMMON SERVICE
S104
PROPERLY COMPLETED ?
YES
NO
S105
READ AND STORE CAUSE CODE SENT FROM ISDN
A
COMMUNICATIONS PROCEDURE
S106
PERTINENT INFORMATION ?
NO
YES
S107
PERFORM CALL OPERATION FOR SPECIFIC SERVICE
S108
PROPERLY COMPLETED ?
YES
NO
S109
INCORRECT PERTINENT INFORMATION ?
YES
NO
S110
READ AND STORE CALL-DISCONNECTION-CODE FROM ISDN
A
S111
READ AND STORE CAUSE CODE OF SELF-NOTIFICATION
A

FIG. 7B

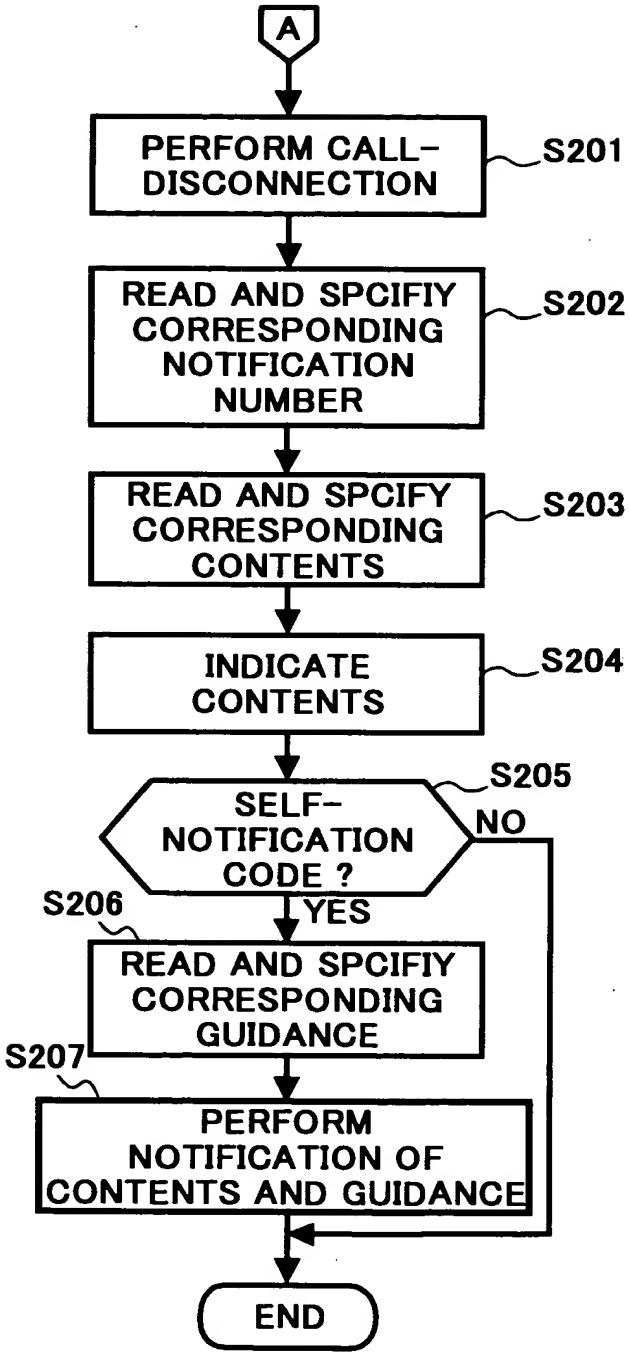


FIG. 8

163-*00#22
XXX SERVICE IS NOT AVAILABLE

FIG. 9

3e

NUMBER/VOICE REFERENCE TABLE	
NOTIFICATION NUMBER	VOICE DATA OF NOTIFICATION
1	NUMBER IS INCORRECT
2	CALLED TERMINAL IS BUSY
⋮	⋮
n	
N1	AAA SERVICE IS NOT AVAILABLE
N2	BBB SERVICE IS NOT AVAILABLE
⋮	⋮

FIG. 10

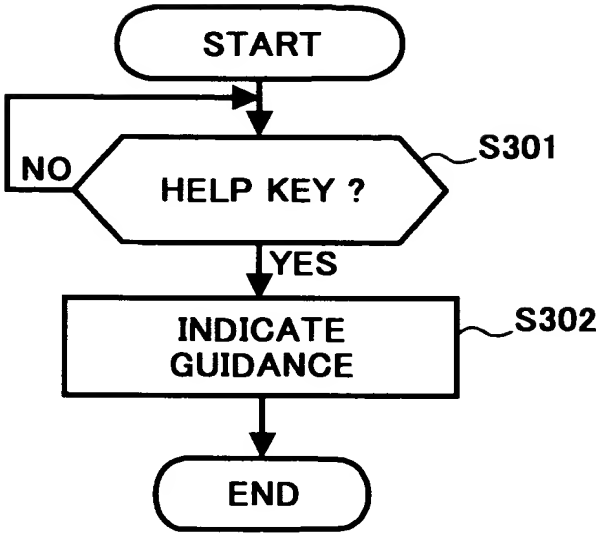

START
NO
HELP KEY ?
S301
YES
INDICATE GUIDANCE
S302
END

FIG. 11

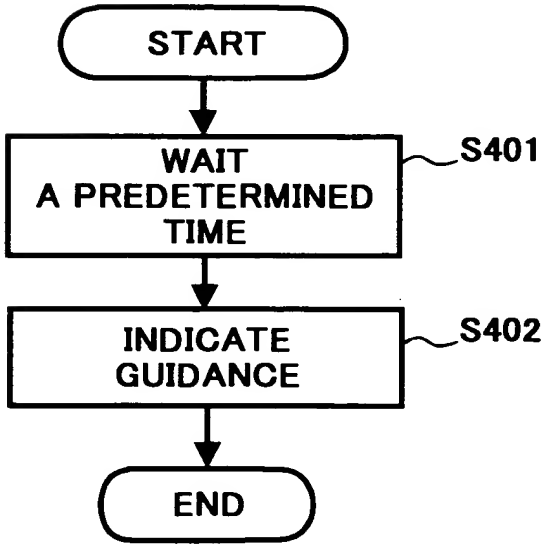

START
WAIT A PREDETERMINED TIME
S401
INDICATE GUIDANCE
S402
END

FIG. 12

163-*00#22
PLEASE CHECK IF XXX IS PROPERLY REGISTERED

FIG. 13

3f

NUMBER/CONTENTS & GUIDANCE REFERENCE TABLE	
NOTIFICATION NUMBER	CONTENTS AND GUIDANCE OF NOTIFICATION
1	A CALLED NUMBER IS INCORRECT
2	A CALLED TERMINAL IS BUSY
· · ·	· · ·
n	
N1	AAA SERVICE IS NOT AVAILABLE PLEASE CHECK IF XXX IS PROPERLY REGISTERED
N2	BBB SERVICE IS NOT AVAILABLE PLEASE CHECK IF YYY IS PROPERLY REGISTERED

FIG. 14

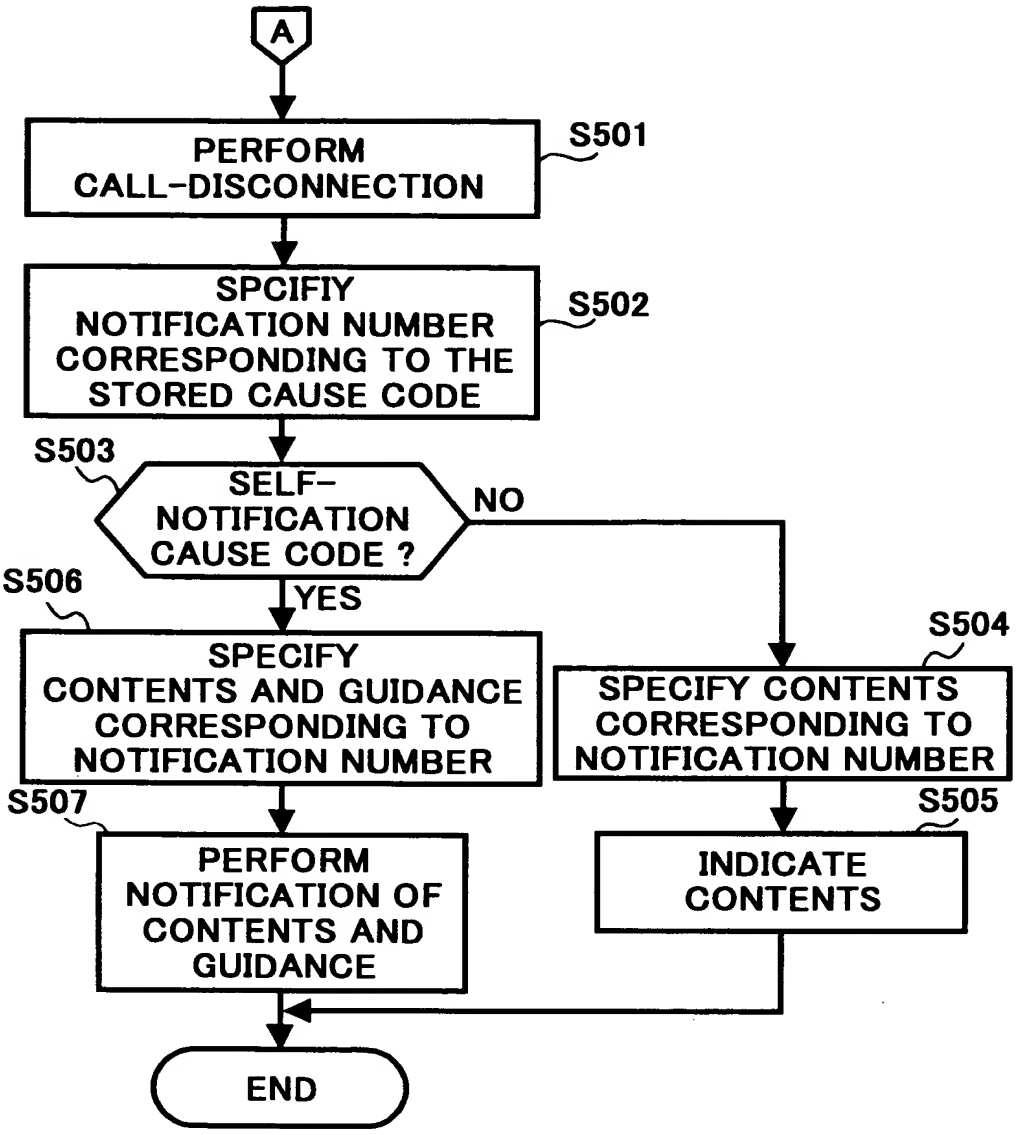

A
PERFORM CALL-DISCONNECTION
S501
SPCIFIY NOTIFICATION NUMBER CORRESPONDING TO THE STORED CAUSE CODE
S502
S503
SELF-NOTIFICATION CAUSE CODE ?
NO
YES
S506
SPECIFY CONTENTS AND GUIDANCE CORRESPONDING TO NOTIFICATION NUMBER
S504
SPECIFY CONTENTS CORRESPONDING TO NOTIFICATION NUMBER
S507
S505
PERFORM NOTIFICATION OF CONTENTS AND GUIDANCE
INDICATE CONTENTS
END

FIG. 15

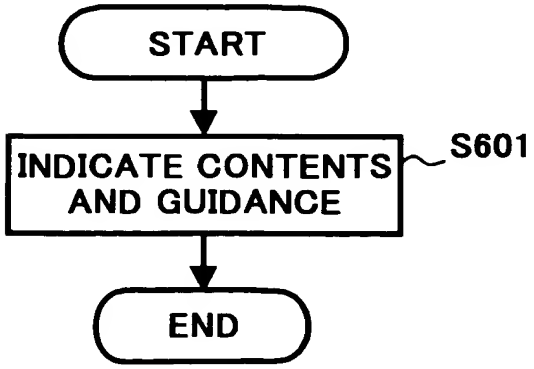
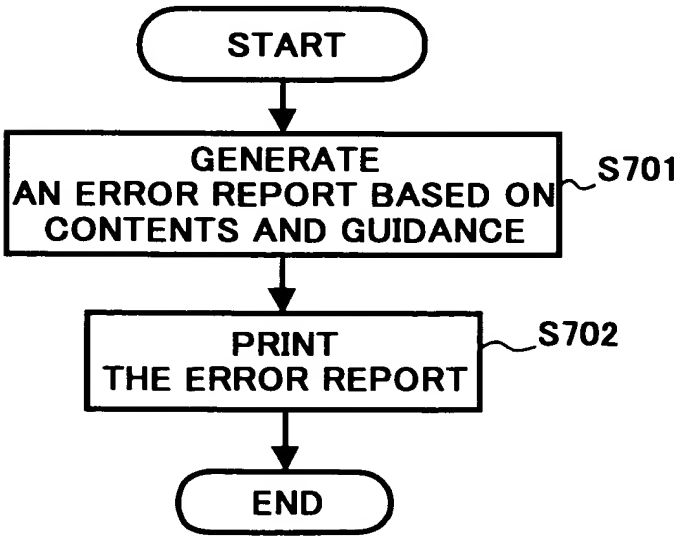

START
INDICATE CONTENTS AND GUIDANCE
S601
END

FIG. 16

163-*00#22
AAA SERVICE IS NOT AVAILABLE PLEASE CHECK IF XXX IS PROPERLY REGISTERED

FIG. 17



D0827 "2827260

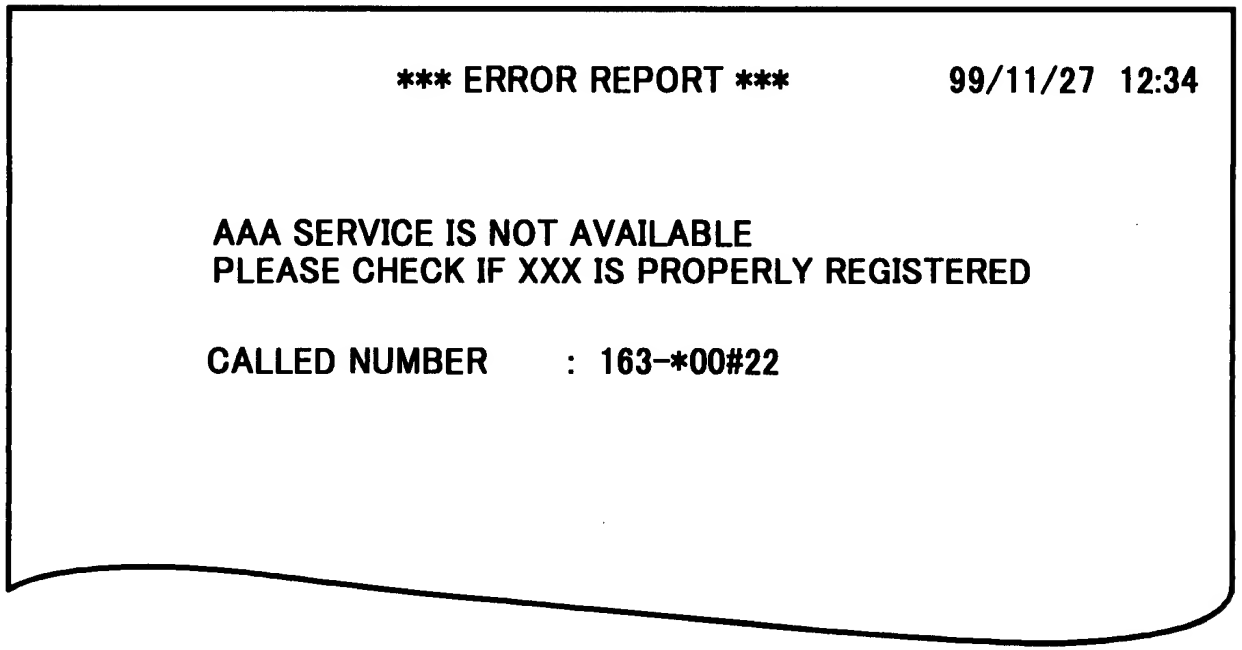



FIG. 18